Fig. 1(Prior Art)

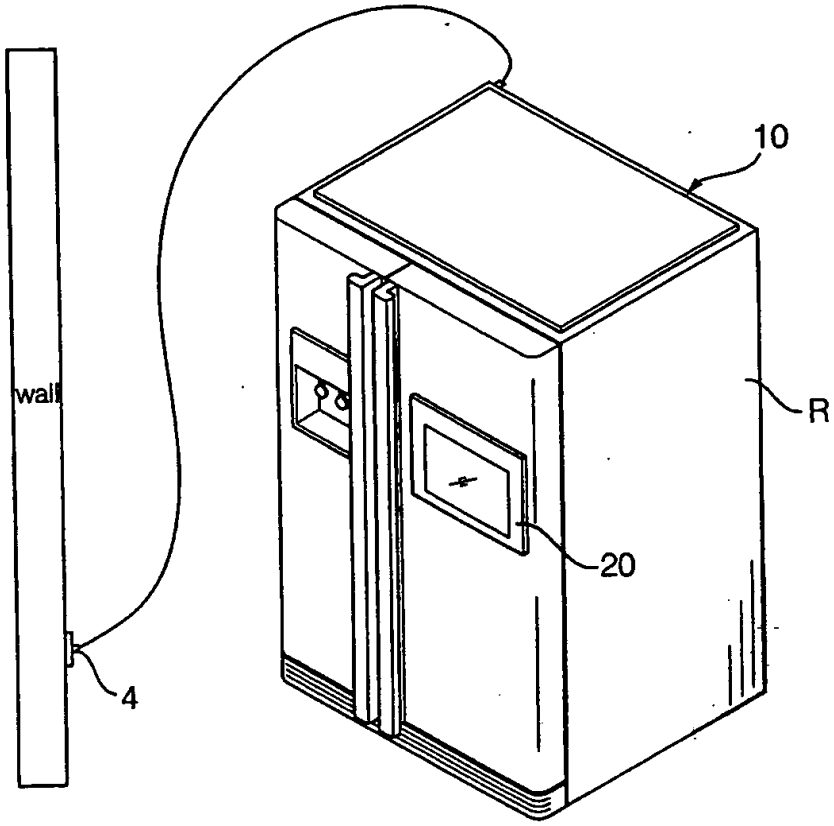


Fig. 2

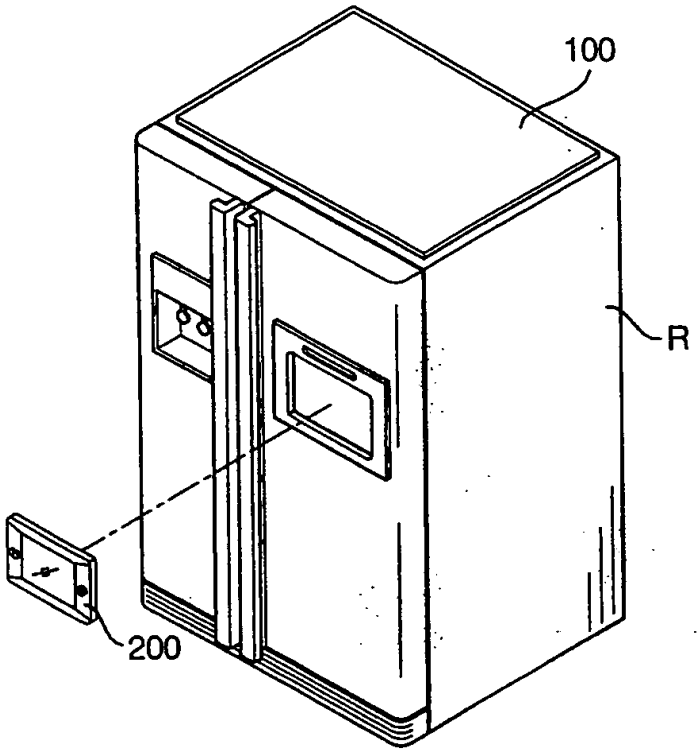


Fig. 3

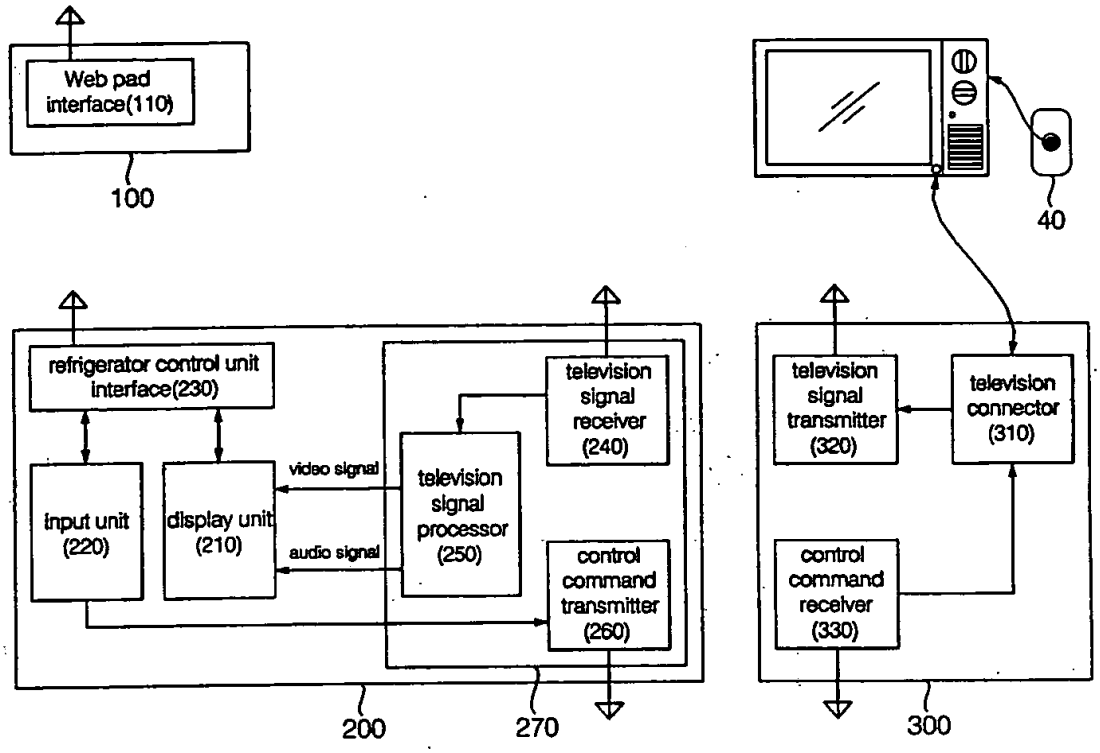

Web pad interface(110)
100
40
refrigerator control unit interface(230)
input unit (220)
display unit (210)
video signal
audio signal
television signal processor (250)
television signal receiver (240)
control command transmitter (260)
200
270
television signal transmitter (320)
television connector (310)
control command receiver (330)
300

Fig. 4

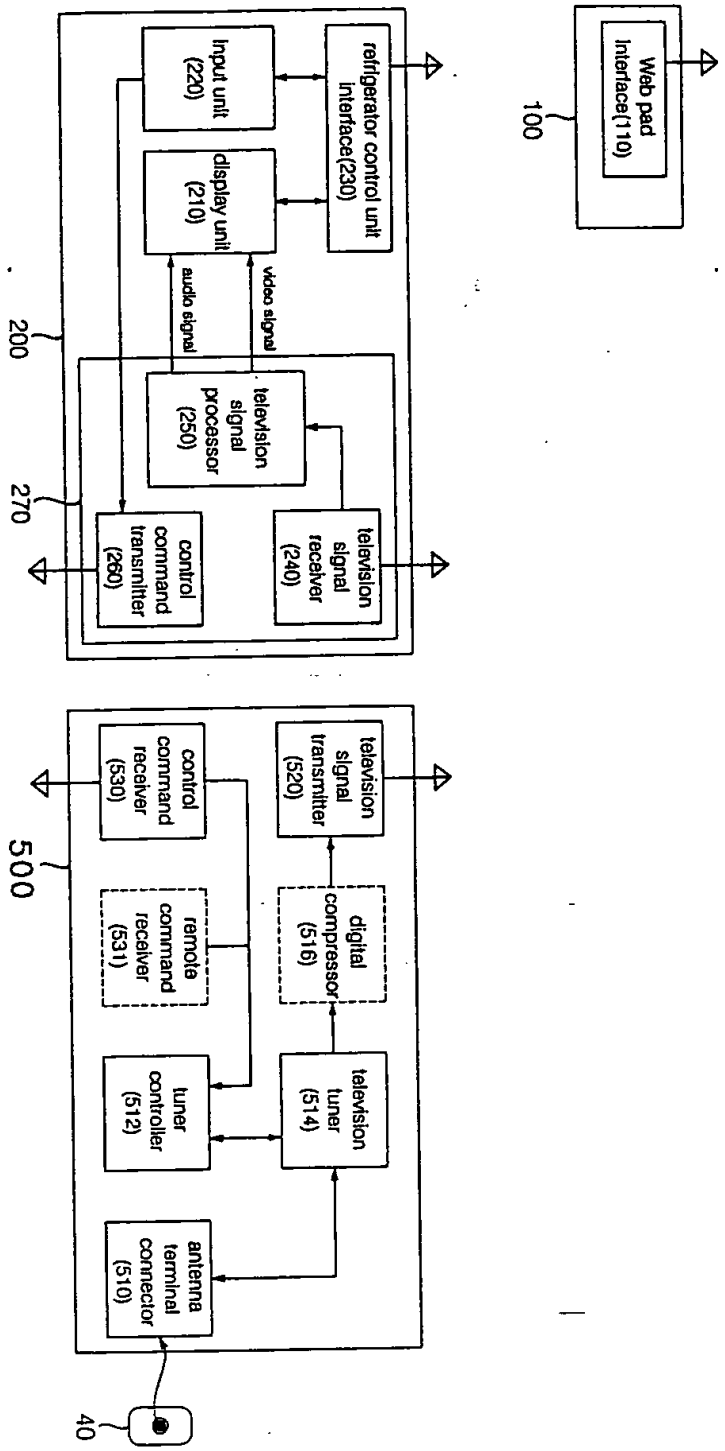
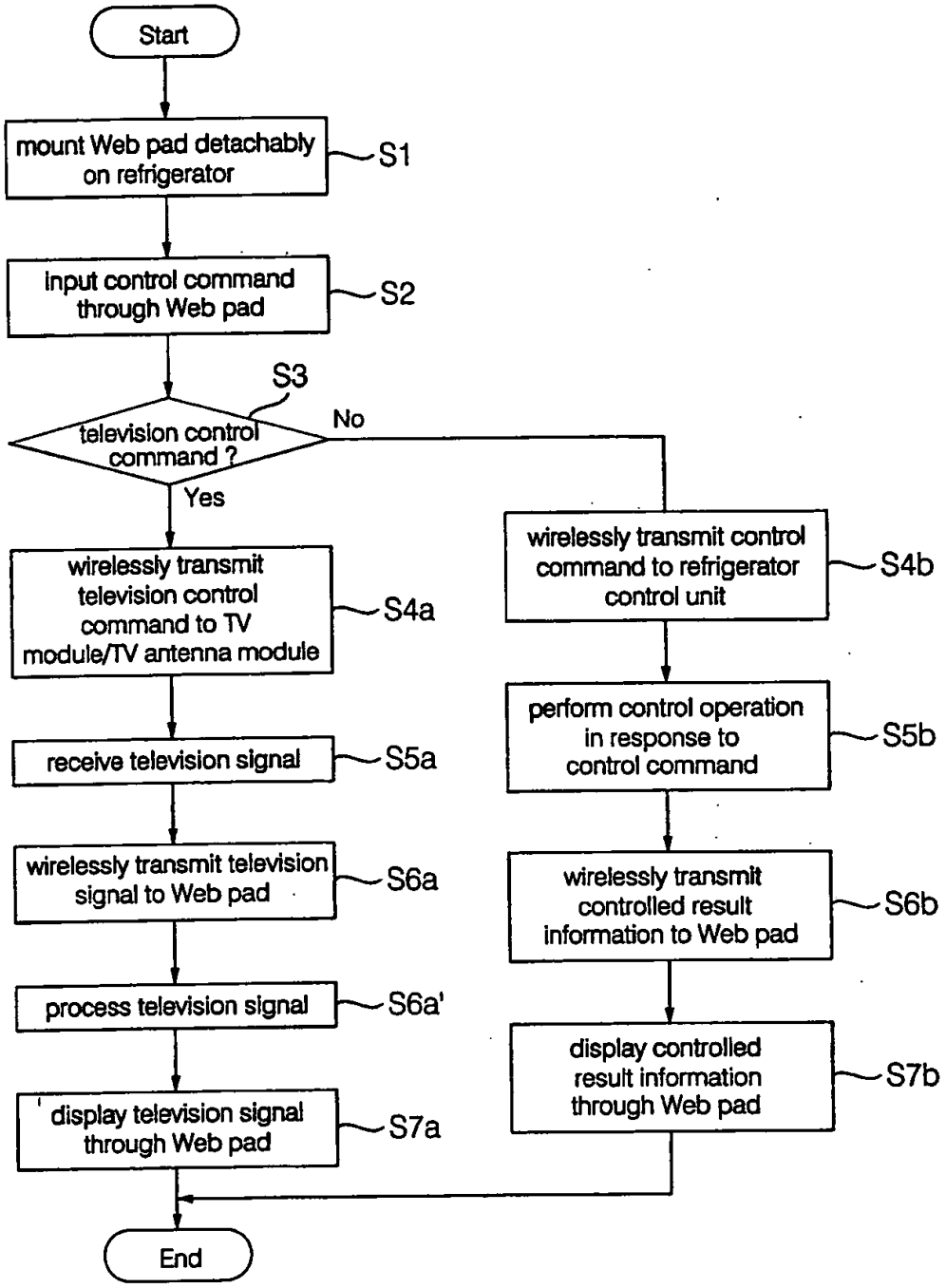

Web pad Interface(110)
100
refrigerator control unit interface(230)
Input unit (220)
display unit (210)
audio signal
video signal
200
television signal processor (250)
270
control command transmitter (260)
television signal receiver (240)
television signal transmitter (520)
control command receiver (530)
500
digital compressor (516)
remote command receiver (531)
tuner controller (512)
television tuner (514)
antenna terminal connector (510)
40

Fig. 5


Start
mount Web pad detachably on refrigerator
S1
input control command through Web pad
S2
S3
television control command ?
No
Yes
wirelessly transmit television control command to TV module/TV antenna module
S4a
receive television signal
S5a
wirelessly transmit television signal to Web pad
S6a
process television signal
S6a'
display television signal through Web pad
S7a
wirelessly transmit control command to refrigerator control unit
S4b
perform control operation in response to control command
S5b
wirelessly transmit controlled result information to Web pad
S6b
display controlled result information through Web pad
S7b
End